

CORRECTED COPY

**BY ORDER OF THE
SECRETARY OF THE AIR FORCE**

**AFMS 4211
24 June 1996**



Manpower Standard

AERIAL DELIVERY SUPPORT FLIGHT(ADSF)

This Air Force Manpower Standard (AFMS) quantifies the manpower required to accomplish the tasks described in the process oriented description for varying levels of workload. This AFMS identifies the peacetime manpower to build and rig airdrops and aircraft loads; packs, repairs and dries parachutes; schedules and coordinates load operations; loads aircraft; performs material control; and performs drop zone recovery. This standard applies to those Air Force installations where there is an aerial delivery operation. This standard may be applicable to AF Reserve or Air National Guard. This AFMS does not apply to flights that have been cost compared (OMB Circular A-76). Bases should develop negative variances to account for processes not performed or performed by contract and positive variances for processes performed but not included in the AFMS. This standard was developed under an objective flight study in accordance with policy and guidance from the Air Staff and AFMAN 38-208, *Air Force Management Engineering Program (MEP)*. Send comments and suggested improvements on AF Form 847, **Recommendation for Change of Publication**, through channels, to AFMEA/AEDA, 550 E Street East, Randolph AFB, Texas 78150-4451.

★ SUMMARY OF CHANGES

This Corrected Copy adds "Loads Aircraft (process title); 5.31 (process time (man-hours)); 90 loads (monthly projected workload); and 2.97 (fractional manpower)" to the Process Analysis Summary. The change is identified with a ★.

1. Core Composition. The core composition of this AFMS was developed for an Aerial Delivery Flight to support an objective wing having a core composition of 64 aerial delivery loads handled per month.

1.1. Core Flight Manpower Required. 15

1.2. Core Range. 5-69

1.3. Programming Factor(s). Air Drop Load Rigged.

2. Standard Data:

2.1. Approval Date. June 1996

2.2. Man-hour Data Source. Workshop Measurement

2.3. Man-hour Equation. See capability matrix.

2.4. Workload Factor:

2.4.1. Title. An Air Drop Load Rigged

2.4.2. Definition. Average monthly number of air drop loads rigged by the Aerial Delivery Support Flight in the forecasted FY to include built/rebuilt loads.

2.4.3. Source. Collect a minimum of 12 months of historical data. For AMC locations, use AMC Form 382, Monthly Station Traffic Handling Report, Section III, Airdrop Count. Do not count Standard Air Training Bundles(SATBs).

2.5. Points of Contact:

2.5.1. **AFMEA Representative.** AFMEA/AEDA, SSgt Glen Warren, DSN 487-2479, ext. 3106

2.5.2. **Functional Representatives.** HQ USAF/LGTX, CMSgt Leo J. Kaercher, DSN 227-7335
HQ USAF/LGTX, Mr. Bennie Roberts, DSN 225-1017

3. Application Instructions:

3.1. **Step 1.** Determine the monthly average number of Air Drop Loads rigged (exclude SATBs) and multiply the result by 1.15 (15%) to account for Standard Aircrew Training Bundles (SATB).

3.2. **Step 2.** Determine the core manpower by using the following capability matrix:

Average Loads	Man-power	Average Loads	Man-power	Average Loads	Man-power
1 - 23	5	194 - 200	36	329 - 335	54
24 - 33	7	201 - 208	37	336 - 343	55
34 - 43	9	209 - 215	38	344 - 350	56
44 - 53	11	216 - 223	39	351 - 357	57
54 - 63	13	224 - 230	40	358 - 370	58
64 - 73	15	231 - 238	41	371 - 383	59
74 - 83	17	239 - 245	42	384 - 398	60
84 - 93	19	246 - 253	43	399 - 413	61
94 - 103	21	254 - 260	44	414 - 429	62
104 - 113	23	261 - 268	45	430 - 443	63
114 - 123	25	269 - 275	46	444 - 459	64
124 - 133	27	276 - 283	47	460 - 473	65
134 - 148	29	284 - 290	48	474 - 489	66
149 - 163	31	291 - 298	49	490 - 503	67
164 - 170	32	299 - 305	50	504 - 519	68
171 - 178	33	306 - 313	51	520 - 533	69
179 - 185	34	314 - 320	52		
186 - 193	35	321 - 328	53		

3.3. **Step 3.** Add core manpower derived from Step 2 to the variance manpower in Attachment 3. This number will be the authorized strength for the Aerial Delivery Flight.

3.4. **Step 4.** Refer to Attachment 2 for the grades and skill table.

4. Statement of Conditions. Standard hours of operation for the Aerial Delivery work centers are flexible based on aircraft schedules.

BENJAMIN N. CHAPMAN, Lt Col, USAF
Chief, Plans & Productivity Division

Attachments

1. Process Oriented Description
2. Standard Manpower Table
3. Approved Variances
4. Process Analysis Summary

PROCESS ORIENTED DESCRIPTION

AERIAL DELIVERY SUPPORT FLIGHT

A1.1. PERFORMS MANAGEMENT AND ADMINISTRATION FUNCTIONS.

A1.2. REBUILDS AIR DROP LOADS.

A1.3. BUILDS AIR DROP LOAD.

A1.4. PERFORMS PARACHUTE PACKING, REPAIR, AND DRYING, AND QUALITY CONTROL.

A1.5. PERFORMS SCHEDULER AND LOAD COORDINATION DUTIES.

A1.6. PERFORMS AIR DROP MATERIAL CONTROL.

A1.7. LOADS AIRCRAFT.

A1.8. PERFORMS DROP ZONE RECOVERY.

STANDARD MANPOWER TABLE											
WORK CENTER/FAC			APPLICABILITY MAN-HOUR RANGE								
AERIAL DELIVERY SUPPORT FLIGHT/4211			964.2 - 10927.6								
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Air Transport Supt	2T291	SMS								1	1
Air Transport Crftmn	2T071	MSG	1	1	1	1	1	1	1		
Air Transport Crftmn	2TX71	TSG	1	1	1	1	1	1	1	1	1
Air Transport Jrnymn * **	2TX71	SSG	12	13	13	14	14	15	15	16	16
Air Transport Jrnymn * ***	2TX51	SRA	7	7	8	8	9	9	9	9	10
Air Transport Apr	2TX51	A1C	1	1	1	1	1	1	1	1	1
Fabrication & Parachute Jrnymn	2TX31	SSG	2	2	2	2	2	2	2	2	2
Information Mgt Jrnymn	3A051	SRA							1	1	1
TOTAL			24	25	26	27	28	29	30	31	32
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Air Transport Supt	2T291	SMS	1	1	1	1	1	1	1	1	1
Air Transport Crftmn	2T271	MSG									
Air Transport Crftmn	2T271	TSG	1	1	1	1	1	1	1	1	1
Air Transport Jrnymn * **	2T251	SSG	17	17	17	18	19	20	20	21	22
Air Transport Jrnymn * ***	2T251	SRA	10	11	11	11	11	11	12	12	12
Air Transport Apr	2T231	A1C	1	1	2	2	2	2	2	2	2
Fabrication & Parachute Jrnymn	2A754	SSG	2	2	2	2	2	2	2	2	2
Information Mgt Jrnymn	3A051	SRA	1	1	1	1	1	1	1	1	1
*May substitute one 2S051/SSG for one 2T251/SSG or one 2S051/SRA for one T251/SRA											
** May substitute 2T251/SSG for 2A754/SSG after coordination with MAJCOM Aerial Port Functional Manager											
*** May substitute one 2T251/SRA for 3A051/SRA											
TOTAL			33	34	35	36	37	38	39	40	41

AF Form 1113, JUN 91 (COMPUTER GENERATED). PREVIOUS EDITION IS OBSOLETE.

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APPROVED VARIANCES**AERIAL DELIVERY SUPPORT FLIGHT**

NOTE: All "Impacts" are in whole manpower authorizations.

A3.1. Title. Positive Mission Variance for Excess Travel to Drop Zone.

A3.1.1. **Definition.** Distance traveled exceeds the one-way travel of 60 miles already included in the core.

A3.1.2. **Applicability and Impact:**

APPLICABILITY	IMPACT
Charleston	+2
Dyess	+2
Kadena	+2
McChord	+2
Mildenhall	+2
Moody	+3
Ramstein	+3
Yokota	+3

A3.2. Title. Positive Mission Variance for Multiple Drop Zones.

A3.2.1. **Definition.** Having Multiple Drop Zones impact on the capability of a Centralized Operation.

A3.2.2. **Applicability and Impact:**

APPLICABILITY	IMPACT
Hurlburt	+3
Kirkland	+2
Little Rock	+4
McChord	+3
Pope	+3

A3.3. Title. Positive Mission Variance for Low Altitude Parachute Extraction System (LAPES).

A3.3.1. **Definition.** LAPES Missions require additional man-hours to rig loads.

A3.3.2. **Applicability and Impact:**

APPLICABILITY	IMPACT
Little Rock	+1
Pope	+1

A3.4. Title. Positive Mission Variance for Increased Loading Time for Student Loadmasters.

A3.4.1. **Definition.** The lag time waiting for training to be completed delays the efficient loading of Aerial Delivery loads.

A3.4.2. Applicability and Impact:

APPLICABILITY	IMPACT
Little Rock	+1

PROCESS ANALYSIS SUMMARY**AERIAL DELIVERY SUPPORT FLIGHT**

PROCESS TITLE	PROCESS TIME (MAN-HOURS)	MONTHLY PROJECTED WORKLOAD	FRACTIONAL MANPOWER
Performs Management and Administration Duties	241.05	Fixed	1.5
Rebuilds Loads			
HEAVY	4.72	25	.73
CDS	2.36	35	.51
SATB	.30	125	.23
Builds Air Drop Loads			
HEAVY	14.16	1	.09
CDS	5.90	3	.11
SATB	2.36	10	.15
Performs Parachute Packing, Repair, Drying, and Quality Control	3.84	150 Parachutes Packed	3.58
Performs Air Drop Material Control	160.7	Fixed	1.00
★ Loads Aircraft	5.31	90 Loads	2.97
Performs Drop Zone Recovery (60 Miles 1 way)	642.80	Fixed	4.00
TOTAL FRACTIONAL MANPOWER			14.87

NOTE: The above processes are listed in priority order.